PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Jung-Jin JU, et al.

Serial No.: New Application Group Art Unit: Not Yet Assigned

Filed: December 6, 2001 Examiner: Not Yet Assigned

Title: ALL-OPTICAL WAVELENGTH CONVERTER AND CONVERTING METHOD.

#9
11 Apr 02
R. Tallo

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents
Washington, DC 20231

December 6, 2001

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

JACOBSON HOLMAN, PLLC

By: _____
Yoon S. Ham
Registration No. 45,307

400 Seventh Street, N.W.
Washington, DC 20004
(202) 638-6666

Atty. Dkt. No.: P67379US0
YSH:ecl

Information Disclosure Statements

U. S. Patent Application for ALL-OPTICAL WAVELENGTH CONVERTER AND CONVERTING METHOD THEREFOR

Our Ref. No. P01E6030/US/js

Reference No. : US5,434,700

Papers :

(1) 1.5 μm band efficient broadband wavelength conversion by difference frequency generation in a periodically domain-inverted $LiNbO_3$ channel waveguide

(2) Wavelength conversion by difference frequency generation in AlGaAs waveguides with periodic domain inversion achieved by wafer bonding

(3) 1.5-μm-band wavelength conversion based on difference-frequency generation in $LiNbO_3$ waveguides with intergrated coupling structures

(4) Vertically stacked coupler and serially grafted waveguide: Hybrid waveguide structures formed using an electro-dptic polymer

(5) Modal dispersion phase matching over 7 mm length in overdamped polymeric channel waveguides

(6) Origin of the poling-induced optical loss in a nonlinear optical polymeric waveguide

(7) Phase-matched second-harmonic generation in poled polymers by the use of birefringence

(8) 1.5-μm-band wavelength conversion based on cascaded second-order nonlinearity in $LiNbO_3$ waveguides